

AMENDMENT UNDER 37 C.F.R. § 1.116  
U.S. Appln. No. 09/750,489  
Attorney Docket No.: A8118

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application:

**LISTING OF CLAIMS:**

1. (previously presented): A method for communication between a first computer and a second computer, each of which is connected to a server computer, the method comprising:
  - under control of a first client application at the first computer, creating a message, wherein the message comprises at least one out of a group of: an event notification with zero text and zero content identifiers, a text message, and a content identifier; and
  - putting the message into a message queue; and

under control of a second client application at the second computer, retrieving the message from the message queue.
2. (original): The method of claim 1, wherein text comprises a string of alphanumeric characters.
3. (original): The method of claim 1, wherein a content identifier comprises an item identifier and a server name.

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4. (original): The method of claim 1, wherein the message comprises an event notification with zero text and zero content identifiers.
5. (original): The method of claim 1, wherein the message comprises text with zero content identifiers.
6. (original): The method of claim 1, wherein the message comprises zero text and one or more content identifiers that represent items in a data store connected to the server computer.
7. (original): The method of claim 1, wherein the message comprises an object.
8. (original): The method of claim 1, wherein the message is put into the message queue via a method of a class.
9. (original): The method of claim 1, wherein the message is retrieved from the message queue via a method of a class.
10. (previously presented): An apparatus for communication between computers, comprising:  
a first computer connected to a server computer;

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a second computer connected to the first computer and to the server computer in a datastore management system; and

one or more computer programs, performed by the first and second computers, for  
under control of a first client application at the first computer,

creating a message, wherein the message comprises at least one out of a  
group of: an event notification with zero text and zero content identifiers, text, and  
content identifier; and

putting the message into a message queue; and

under control of a second client application at the second computer, retrieving the  
message from the message queue.

11. (original): The apparatus of claim 10, wherein text comprises a string of  
alphanumeric characters.

12. (original): The apparatus of claim 10, wherein a content identifier comprises an item  
identifier and a server name.

13. (original): The apparatus of claim 10, wherein the message comprises an event  
notification with zero text and zero content identifiers.

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14. (original): The apparatus of claim 10, wherein the message comprises text with zero content identifiers.

15. (original): The apparatus of claim 10, wherein the message comprises zero text and one or more content identifiers that represent items in a data store connected to the server computer.

16. (original): The apparatus of claim 10, wherein the message comprises an object.

17. (original): The apparatus of claim 10, wherein the message is put into the message queue via a method of a class.

18. (original): The apparatus of claim 10, wherein the message is retrieved from the message queue via a method of a class.

19. (previously presented): An article of manufacture comprising a program storage medium readable by a computer and embodying one or more instructions executable by the computer to perform method steps for communication between a first computer and a second computer, each of which is connected to a server computer, comprising:  
under control of a first client application at the first computer,

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creating a message, wherein the message comprises at least one out of the group of event notification with zero text and zero content identifiers, text, and content identifier; and

putting the message into a message queue; and  
under control of a second client application at the second computer, retrieving the message from the message queue,

wherein said first and second computers and said server are in a datastore management system.

20. (original): The article of manufacture of claim 19, wherein text comprises a string of alphanumeric characters.

21. (original): The article of manufacture of claim 19, wherein a content identifier comprises an item identifier and a server name.

22. (original): The article of manufacture of claim 19, wherein the message comprises an event notification with zero text and zero content identifiers.

23. (original): The article of manufacture of claim 19, wherein the message comprises text with zero content identifiers.

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24. (original): The article of manufacture of claim 19, wherein the message comprises zero text and one or more content identifiers that represent items in a data store connected to the server computer.

25. (original): The article of manufacture of claim 19, wherein the message comprises an object.

26. (original): The article of manufacture of claim 19, wherein the message is put into the message queue via a method of a class.

27. (original): The article of manufacture of claim 19, wherein the message is retrieved from the message queue via a method of a class.

28. (previously presented): A method for communication between a first computer and a second computer, both connected to at least one server computer, the method comprising: under control of a first application at the first computer:

creating a message, wherein the message comprises at least one out of: an event notification, text and a content identifier, and

putting the message into a message queue; and  
under control of a second application at the second computer,

retrieving the message from the message queue,

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wherein when a body of said message comprises said text, said text is passed to the second application, and when the body of said message comprises said content identifier, at least one object is forwarded to the second application, and when the body of a message comprises no said text and no said content identifier, the message is an event notification notifying the second application of an occurrence of an event.

29. (previously presented): The system according to claim 28, wherein said content identifier identifies a search result of a search performed by said first application, and wherein said search result comprises at least one object stored in said at least one server computer.

30. (previously presented): The system according to claim 29, wherein the system is a federated content management system.

31. (previously presented): The system according to claim 28, wherein said first and second applications are client applications.

32. (previously presented): The system according to claim 28, wherein the system is a distributed computing system and wherein said server connects to at least one data storage.

33. (previously presented): The system according to claim 28, wherein said first and said second computers execute portals for messaging between said first and second applications.

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34. (previously presented): The system according to claim 28, wherein said content identifier in the body of said message is a unique item identifier and a server name.

35. (previously presented): A method for communication between a first computer and a second computer, each of which is connected to a server computer, the method comprising:  
under control of a first application at the first computer,

creating a message, wherein the message comprises a text length value and a content identifier count value; and

putting the message into a message queue; and  
under control of a second application at the second computer, retrieving the message from the message queue,

wherein said text length value identifies length of text included in said message, and wherein the content identifier count value identifies a number of content identifiers in said message.

36. (canceled).

37. (currently amended): The method according to claim 35-36, wherein when the text length value is zero and when the content identifier count value is zero, the message is an event notification.

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38. (currently amended): The method according to claim 35-36, wherein when the content identifier count value is greater than zero, the message further comprises at least one content identifier identifying an object from a heterogeneous storage.

39. (previously presented): The method according to claim 1, wherein under said control of the first client application, the first computer connects to a queue manager and puts the message into the message queue, and wherein under said control of the second client application, the second computer connects to the queue manager and retrieves the message from the message queue.